

Greater Cleveland Regional Transit Authority

Warrensville – Van Aken Station

Blue Line Rapid Station & Comfort Station Reconstruction



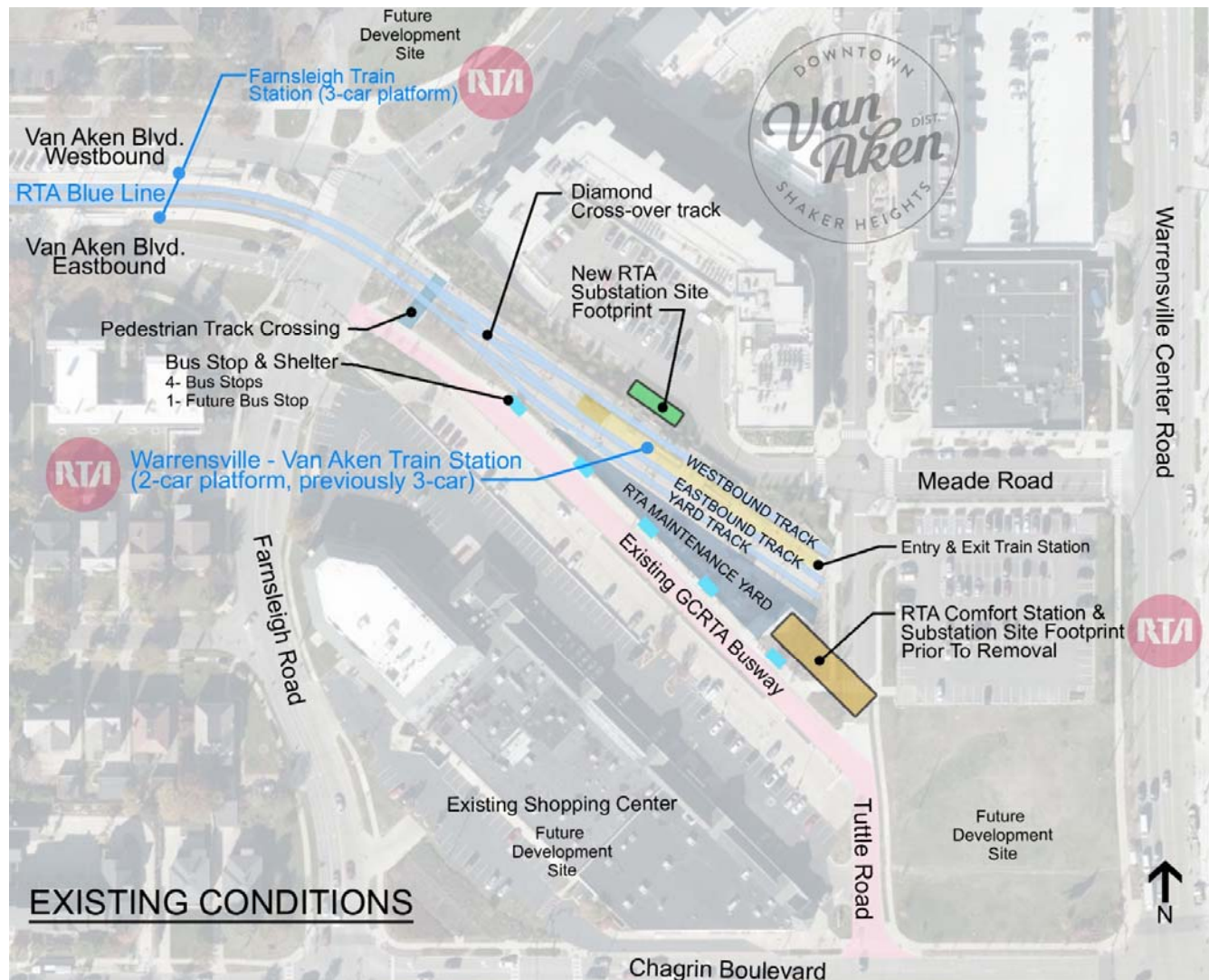
Operational Planning &
Infrastructure Committee
April 12, 2022

Project History

- Purpose of this project is to rehabilitate the RTA station site and enhance the Van Aken District Development.
- Design is being produced primarily by GCRTA staff.
 - Project Consultants:
 - HWH - Structural, Mechanical, Plumbing Engineering
 - WSP – Train Track Realignment Engineering
 - KS Associates – Site Survey
 - K&J – Safety & Security Certification
- Public Realm design coordination with City of Shaker / WSP.

Van Aken District - Transit Oriented Development

- Phase 1: Mixed Use Development
 - \$91 million, completed 2019.
 - 75,000 SF of new retail
 - 65,000 SF of new office space
 - 103 new apartments
- Phase 2: Apartment Towers
 - Multi-million, completion 2024
 - 228 new apartments
- Phase 3: Future Office Building
 - 100,000 SF of proposed office space. Cost & schedule unknown



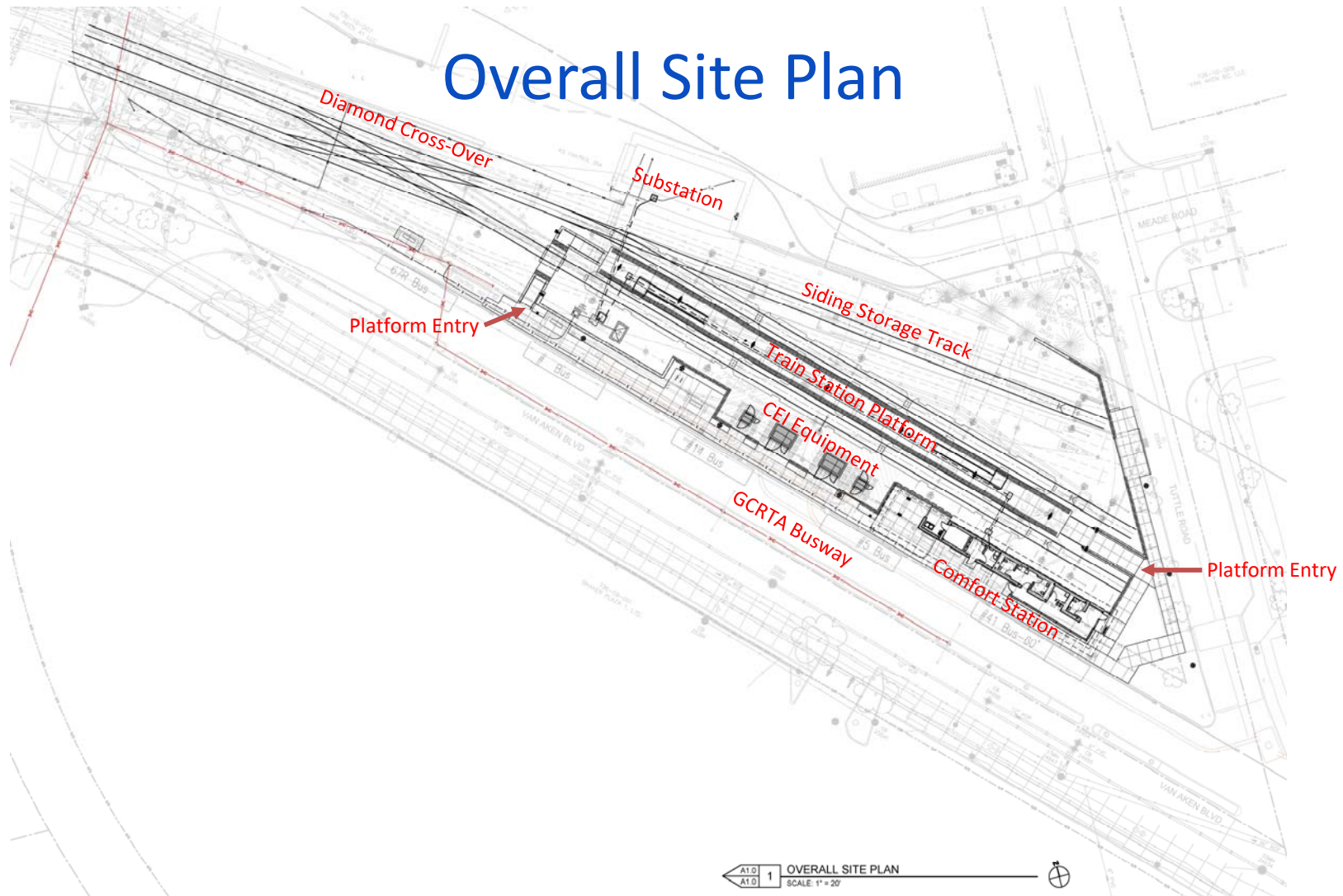
Project Overview – Phase 1

- Scope of Work
 - Replacement of RTA Comfort Station.
 - Install CEI Pad mounted equipment cabinets fence screen.
 - Construction of new ADA compliant relocated train waiting platform (3-car platform).
 - Demolish Eastbound platform track, storage track and associated catenary structures in order to install new train waiting platform.

Project Overview – Phase 1

- Upgraded security and lighting.
- Increased traffic and pedestrian safety.
- Improve ADA access & mobility.
- Promote cycling, with bike storage area.
- Contribute to increased activity and pulse within Van Aken District Development.
- Create inspiring experiential public space & Architecture.

Overall Site Plan



Busway & Tuttle Road - Aerial View



Tuttle Road - Entry View



Busway & Comfort Station Entry View



Train Station Platform - ADA Boarding



Busway – CEI Cabinet Screening

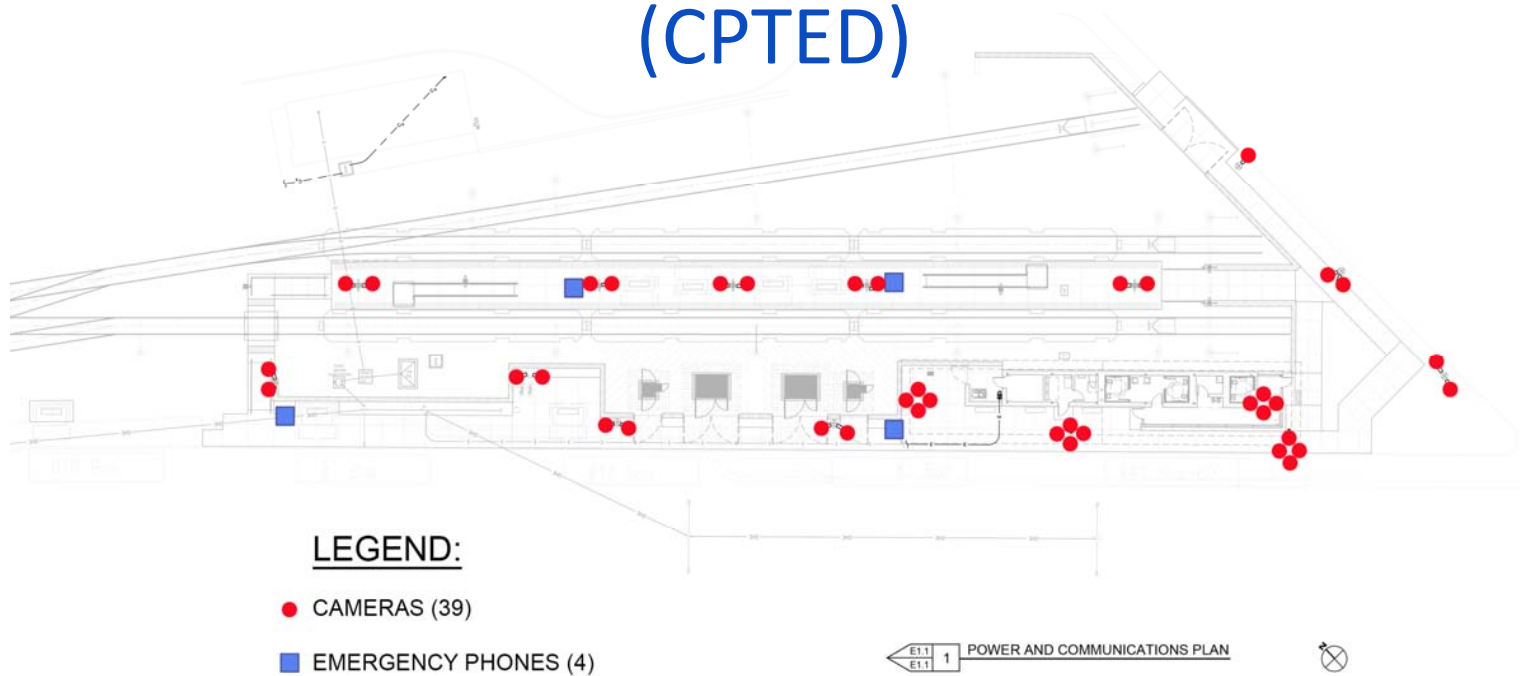


CEI CABINET SCREENING:
Aluminum Slats - Height Varies

Busway Shelter



Crime Prevention Through Environmental Design (CPTED)



Proposed Materials



Dividers & arms
23" x 69" x 32"

Landscape Plan

CODED NOTES

1. EXISTING LANDSCAPE PLANTING. CONTRACTOR TO PROTECT AND/OR TEMPORARILY TRANSPLANT, REPLACE LANDSCAPE PLANTING IN KIND IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST.
2. EXISTING LANDSCAPE PLANTING TO BE INSTALLED. COORDINATE WITH GCRTA FOR EXISTING STAGING PLANTING LOCATION.
3. EXISTING LANDSCAPE PLANTING TO BE TRANSPLANTED TO NEW LOCATION SHOWN ON PLAN. TEMPORARILY TRANSPLANT AS REQUIRED.
4. EXISTING LANDSCAPE PLANTING TO BE TRANSPLANTED TO NEW LOCATION. TEMPORARILY TRANSPLANT AS REQUIRED. COORDINATE WITH GCRTA.

Ca - CLETHRA HUMMINGBIRD
HEIGHT: 30', SPREAD 3'-4'
- DARK GREEN LEAVES, FRAGRANT WHITE FLOWER
- TURNS BRIGHT YELLOW IN FALL



Gr - HONEYLOCUST
HEIGHT: 40', SPREAD 30'
- DARK GREEN LEAVES
- TURNS BRIGHT YELLOW IN FALL



Il - ILEX GLABRA DENSE
HEIGHT: 3'-4', SPREAD 3'-4'
- LEATHERY DARK GREEN LEAVES
- EVERGREEN SHRUB



Ru - FRAGRANT SUMAC
HEIGHT: 30' LOW GROW PLANT
- GREEN LEAVES
- TURNS SCARLET TO ORANGE IN FALL



Pv - HEAVY METAL SWITCH GRASS
HEIGHT: 3'-4'
- STIFF METALLIC BLUE LEAVES
- TURNS BRIGHT YELLOW IN FALL



LEGEND



PLANT SCHEDULE

| SYMBOL | QTY | BOTANICAL NAME | COMMON NAME | MIN. SIZE | CONDITION | SPACING | NOTES |
|--------|-----|---|---------------------------|-----------|-----------|----------|---|
| Gr | - | GLEDETIA FRAGRANTISSIMA VAR. 'NORMA DRAVES' | HONEYLOCUST STREET KEEPER | 2" CAL. | BAB | AS SHOWN | NATIVE CULTIVAR SPECIES, SALT TOLERANT, EXISTING TREE SPECIES ON SITE |
| Pv | - | PANICUM VIRGATUM HEAVY METAL | HEAVY METAL SWITCH GRASS | No. 1 | CONT. | 30' O.C. | NATIVE SPECIES, SALT TOLERANT |
| Ru | - | RHUS AROMATICA 'GROW LOW' | FRAGRANT SUMAC | No. 3 | CONT. | AS SHOWN | NATIVE SPECIES, SALT TOLERANT, EXISTING PLANT SPECIES ON SITE |
| Il | - | ILEX GLABRA DENSE | DENSE COMPACT INKBERY | No. 5 | CONT. | AS SHOWN | NATIVE SPECIES, SALT TOLERANT |
| Ca | - | CLETHRA ALNIFOLIA HUMMINGBIRD | SUMMERSWEET | No. 5 | CONT. | AS SHOWN | NATIVE SPECIES, SALT TOLERANT |

NOTE:
PLANT QUANTITIES SHOWN - VERIFY QUANTITIES SHOWN IN THE PLANT SCHEDULE.
CONTRACTOR SHALL PROVIDE TOTAL NUMBER OF PLANTS AS SHOWN ON THE PLANS.

A1.0
L1.0
1
LANDSCAPE PLAN
SCALE: 1" = 20'



Project Schedule – Phase 1

- Shaker ABR Final Design Approved: March 21, 2022
- Advertise For Bid: July 2022
- Construction Notice to Proceed: October 2022
- Construction Substantial Complete: December 2023
- Existing Train Station open during construction
- Temporary Busway open during construction
- Construction Estimate: \$3.0 – 3.5 million

Project Overview – Phase 2

- Scope of Work
 - Demolish of remaining platform and track.
 - Complete track replacement east of Farnsleigh Road.
 - New track alignment and double crossover.
 - New track bed and drainage.
 - New overhead catenary system.
 - New signal system upgrades.

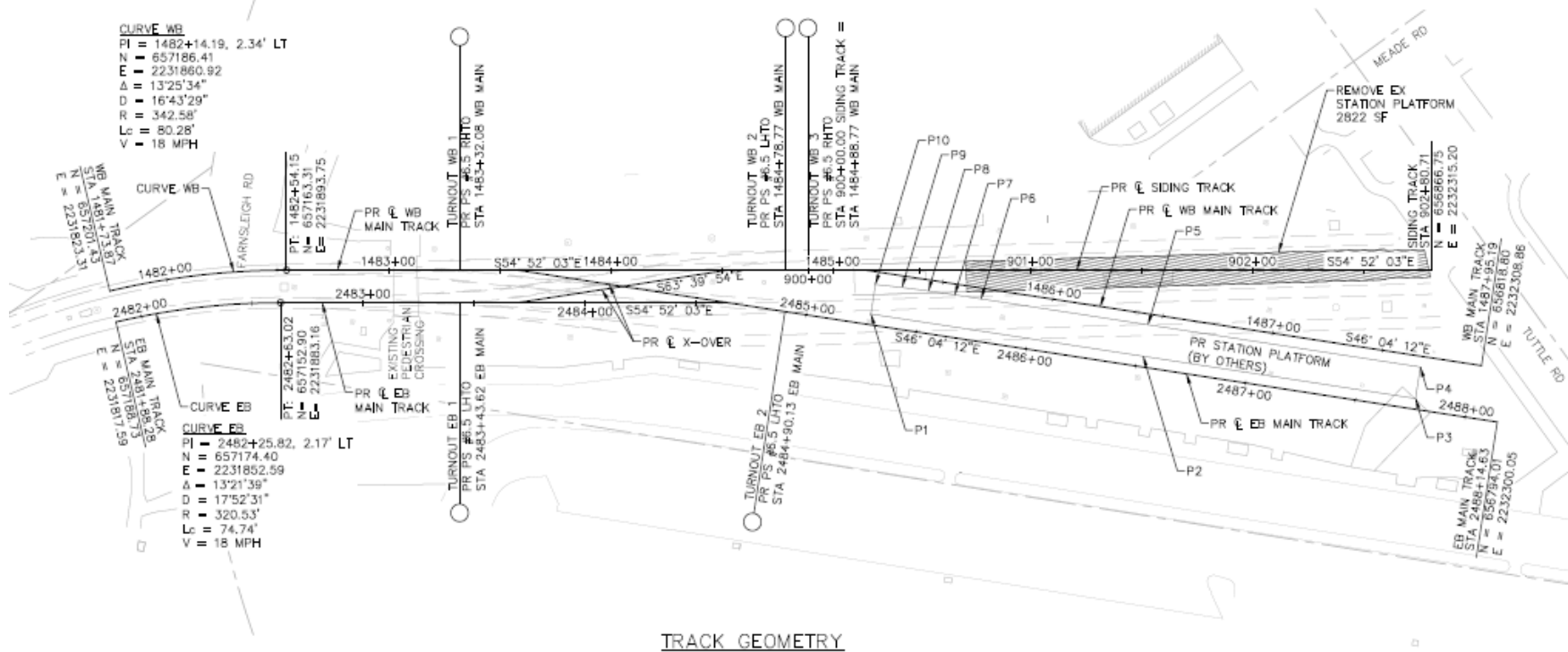
Warrensville-Van Aken Existing Conditions



Warrensville-Van Aken Existing Conditions



Project Overview – Phase 2



Project Schedule – Phase 2

- Advertise For Bid: September 2022
- Construction Notice to Proceed: December 2022
- Construction Substantial Complete: July 2024
- Buses replace train service during portion of construction
- Existing Busway open during construction
- Construction Estimate: \$5.0 - \$5.5 million

Question/ Comments



Greater Cleveland Regional Transit Authority

